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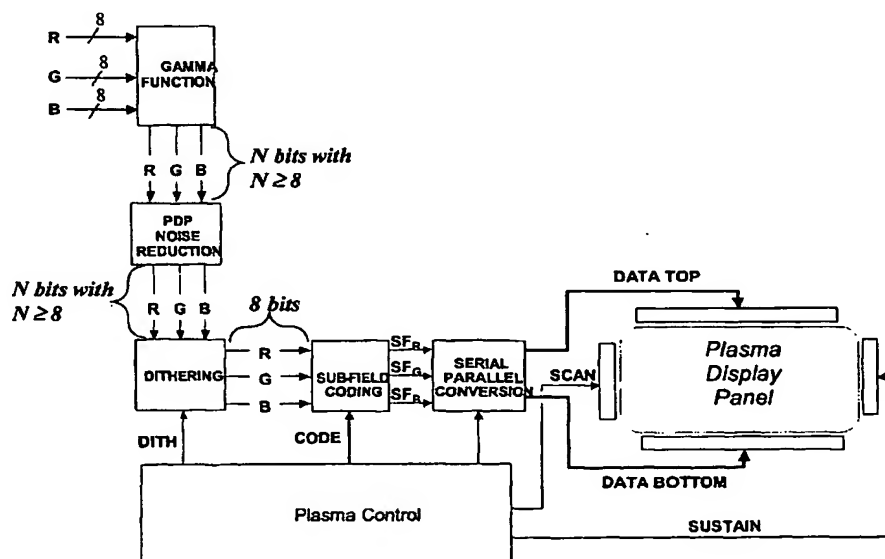
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(54) Title: ADAPTIVE NOISE REDUCTION FOR DIGITAL DISPLAY PANELS



(57) Abstract: A plasma display panel is a pure linear display and does not provide a nonlinear gamma behaviour like a CRT so that an artificial gamma function has to be applied to the signal in digital form. This gamma function increases the quantization steps in the dark areas whereas the quantization steps will be reduced in the luminous areas. The basic idea is to apply an adaptive noise filtering after the gammatization process. The adaptive filtering is a specific filtering which is adapted to the gammatization quantization noise. In other words, the filtering will be maximum for dark areas and its efficacy will be automatically decreased when the luminance of the area is increasing.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 6 340 994 B1 (FOGG CHAD ET AL) 22 January 2002 (2002-01-22) abstract column 5, line 24 - line 41 column 21, line 43 - column 22, line 7; figure 10	1-5, 10-14 6-9, 15, 16
A	EP 0 893 916 A (MATSUSHITA ELECTRIC IND CO LTD) 27 January 1999 (1999-01-27) abstract column 12, line 3 - line 42 column 26, line 6 - line 23; figures 10, 34 -/-	1-16

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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Information on patent family members

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